

BRUHAT BANAGLORE MAHANAGARA PALIKE

Executive Engineer-Yelahanka Division

Detailed Estimate

Name of Work: Modified Estimate for the work of Comprehensive Development of road and drains in ward No- 1 and 2 in yelahanka Sub division.

Estimate Amount : 102282885.00

Sl No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
CIVIL WORKS									
1	Removing BS Slab of drain and Stacking (Page No 25., I.No.5.32 of KPWD S.R 2015-16).								
		Sqm							
	Previous Qty from 1st and part bill						7000.42		
	Previous Qty from 2nd and part bill						2796.90		
	Present Qty from 3rd and final bill						0.00		
	Total Executed Qty						9797.32	55.00	538852.60
2	Refixing Stone Slabs of drains and Pointing in C M(1:3) (Page No 25., I.No.5.33 of KPWD S.R 2015-16).								
		Sqm							
	Previous Qty from 1st and part bill						5385.05		
	Previous Qty from 2nd and part bill						2614.00		
	Present Qty from 3rd and final bill						0.00		
	Total Executed Qty						7999.05	65.00	519938.25
3	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. 7.5cm thick (Page No 25., I.No.5.31.1 of KPWD S.R 2015-16).								
		Sqm							
	Previous Qty from 1st and part bill						222.30		
	Previous Qty from 2nd and part bill						0.00		
	Present Qty from 3rd and final bill						0.00		
	Total Executed Qty						222.30	600.00	133380.00
4	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No 141., I.No.19.1 of KPWD S.R 2015-16).								
		Cum							
	Previous Qty from 1st and part bill						9109.06		
	Previous Qty from 2nd and part bill						1555.70		
	Present Qty from 3rd and final bill								
	ISAAC layout 1st cross		1	30	1.0	0.75	22.50		
	6th cross		1	32	1.0	0.75	24.00		
	8th cross road		1	35	1.0	0.75	26.25		
	10th cross road		1	33	1.0	0.75	24.75		
	Chowdeshwari layout		1	89.9	1.2	1.10	118.67		

Sl. No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
	surabhi layout 2nd main road LHS		1	282.1	1.0	0.75	211.58		
	RHS		1	98.3	1.0	1.00	98.30		
	2nd main road and LHS and RHS cross road		2	93.3	1.0	0.75	139.95		
	3rd main cross 1 RHS		1	36.3	1.0	0.75	27.23		
	cross 2 RHS		1	86.4	1.0	0.75	64.80		
	5th cross road venkata		2	38	1.0	0.70	53.20		
			1	4.5	1.0	0.70	3.15		
	for cobble stone		1	8.15	3.90	0.20	6.36		
			1	13.70	18.70	0.20	51.24		
			1	5.90	8.95	0.20	10.56		
			1	13.40	12.00	0.20	32.16		
			1	5.60	3.60	0.20	4.03		
			1	5.90	3.80	0.20	4.48		
			1	15.30	14.00	0.20	42.84		
			1	3.00	0.90	0.20	0.54		
			1	8.60	2.90	0.20	4.99		
			1	4.00	4.60	0.20	3.68		
			1	8.00	2.00	0.20	3.20		
			1	6.40	8.20	0.20	10.50		
			1	5.50	7.00	0.20	7.70		
			1	8.60	2.00	0.20	3.44		
			1	6.10	2.00	0.20	2.44		
			1	12.00	3.10	0.20	7.44		
	Total Executed Qty						11674.72	150.00	1751208.60
5	KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications II. By Mechanical Means. A. Cement Concrete Grade M-15 & M-20. (Page No 136, I.No.18.20 of KPWD S.R 2015-16).								
	Cum								
	Previous Qty from 1st and part bill						17.45		
	Previous Qty from 2nd and part bill						0.00		
	Present Qty from 3rd and final bill						0.00		
	Total Executed Qty						17.45	425.00	7416.25
6	KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications II. By Mechanical Means. A. Cement Concrete Grade M-15 & M-20. (Page No 136, I.No.18.20 of KPWD S.R 2015-16).								
	Cum								
	Previous Qty from 1st and part bill						0.00		
	Previous Qty from 2nd and part bill						0.00		
	Present Qty from 3rd and final bill						0.00		
	Total Executed Qty						0.00	310.00	0.00

Sl. No	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
7	Providing and constructing granite / trap / basalt size stone masonry(with available stones) in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13								
	Cum								
	Previous Qty from 1st and part bill						0.00		
	Previous Qty from 2nd and part bill						0.00		
	Present Qty from 3rd and final bill						0.00		
	Total Executed Qty						0.00	2000.00	0.00
8	KSRB 5.2-3. Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (Page No 23., I.No.5.6 of KPWD S.R 2015-16).								
	Cum								
	Previous Qty from 1st and part bill						2.14		
	Previous Qty from 2nd and part bill						0.00		
	Present Qty from 3rd and final bill						0.00		
	Total Executed Qty						2.14	3500.00	7490.00
9	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (Page No 112., I.No.15.1 of KPWD S.R 2015-16).								
	Sqm								
	Previous Qty from 1st and part bill						24.00		
	Previous Qty from 2nd and part bill						0.00		
	Present Qty from 3rd and final bill						0.00		
	Total Executed Qty						24.00	80.00	1920.00
10	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (Page No 25., I.No.5.34 of KPWD S.R 2015-16).								
	Sqm								
	Previous Qty from 1st and part bill						407.20		
	Previous Qty from 2nd and part bill						0.00		
	Present Qty from 3rd and final bill						0.00		
	Total Executed Qty						407.20	800.00	325760.00

Sl No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
11	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Page No 12., I.No.4.2 of KPWD S.R 2015-16).								
	Cum								
	Previous Qty from 1st and part bill						539.91		
	Previous Qty from 2nd and part bill						33.60		
	Present Qty from 3rd and final bill								
	ISAAC layout 1st cross		1	30	1.0	0.10	3.00		
	6th cross		1	32	1.0	0.10	3.20		
	8th cross road		1	35	1.0	0.10	3.50		
	10th cross road		1	33	1.0	0.10	3.30		
	Chowdeshwari layout		1	89.9	1.1	0.10	9.89		
	surabhi layout 2nd main road LHS		1	282.1	1.0	0.10	28.21		
	RHS		1	98.3	1.0	0.10	9.83		
	2nd main road and LHS and RHS cross road		2	93.3	1.0	0.10	18.66		
	3rd main cross 1 RHS		1	36.3	1.0	0.10	3.63		
	cross 2 RHS		1	86.4	1.0	0.10	8.64		
	5th cross road venkata		2	38	1.1	0.10	8.36		
			1	4.5	1.0	0.10	0.45		
	Total Executed Qty						674.75	4800.00	3238800.00
12	KSRB 4-1.6 : Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Page No 12., I.No.4.6 of KPWD S.R 2015-16).								
	Cum								
	Previous Qty from 1st and part bill						39.79		
	Previous Qty from 2nd and part bill						0.00		
	Present Qty from 3rd and final bill						0.00		
	Total Executed Qty						39.79	4800.00	190992.00
13	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.64cum and fine aggregates @ 0.43cum, with superplasticiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Page No 12., I.No.4.5 of KPWD S.R 2015-16).								
	Cum								

Sl No	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
	Previous Qty from 1st and part bill						25.36		
	Previous Qty from 2nd and part bill						0.00		
	Present Qty from 3rd and final bill						0.00		
	Total Executed Qty						25.36	5500.00	139480.00
14	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3, with all lead and lift etc., complete. (exclusive of cost of steel and fabrication charges) Ready mixed Cement concrete for Beams, Columns, Staircase and Roof with M-20 (Page No 18., I.No.4.49.1 of KPWD S.R 2015-16).								
	Cum								
	Previous Qty from 1st and part bill						0.00		
	Previous Qty from 2nd and part bill						4.88		
	Present Qty from 3rd and final bill						0.00		
	Total Executed Qty						4.88	6000.00	29250.00
15	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Page No 15., I.No.4.31 of KPWD S.R 2015-16).								
	Cum								
	Previous Qty from 1st and part bill						0.00		
	Previous Qty from 2nd and part bill						51.00		
	Present Qty from 3rd and final bill								
	4x1	4	6.00	0.6			14.40		
	4x1	4	6.40	0.6			15.36		
	Total Executed Qty						80.76	250.00	20190.00
16	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (Page No 15., I.No.4.30 of KPWD S.R 2015-16).								
	Cum								
	Previous Qty from 1st and part bill						0.00		
	Previous Qty from 2nd and part bill						0.00		
	Present Qty from 3rd and final bill								
	Harohalli deck slab	2	5.8		0.35		4.06		
		2	8.9		0.35		6.23		
	parapet wall	4	5.8		0.80		18.56		
		4	0.25		0.80		0.80		
	Total Executed Qty						29.65	350.00	10377.50

Sl No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
17	Providing and laying Plain / reinforced cement concrete M20 for Box drain walls of thickness 10cm to 20cm including centring shuttering for work etc. complete as per approved drawing and design MORTH specification No.1500,1700,2200 (Page No258., I.No.37.59.2 of KPWD S.R 2015-16).								
		Cum							
	Previous Qty from 1st and part bill								
	Previous Qty from 2nd and part bill						2190.66		
	Present Qty from 3rd and final bill						128.60		
	ISAAC layout 1st cross rcc bed		1	30	0.9	0.15	4.05		
	side walls		2	30	0.15	0.75	6.75		
	6th cross		1	32	0.9	0.15	4.32		
	8th cross road		2	32	0.15	0.75	7.20		
			1	35	0.9	0.15	4.73		
	10th cross road		2	35	0.15	0.75	7.88		
			1	33	0.9	0.15	4.46		
			2	33	0.15	0.75	7.43		
	Chowdeshwari layout		1	89.9	0.9	0.15	12.14		
			2	89.9	0.15	0.75	20.23		
	surabhi layout 2nd main road LHS		1	282.1	0.9	0.15	38.08		
			2	282.1	0.15	0.70	59.24		
	RHS		1	98.3	0.9	0.15	13.27		
			2	98.3	0.15	0.70	20.64		
	2nd main road and LHS and RHS cross road		2	93.3	0.9	0.15	25.19		
			4	93.3	0.15	0.70	39.19		
	3rd main cross 1 RHS		1	36.3	0.9	0.15	4.90		
			2	36.3	0.15	0.75	8.17		
	cross 2 RHS		1	86.4	0.9	0.15	11.66		
			2	86.4	0.15	0.70	18.14		
	5th cross road venkata		2	38	0.9	0.15	10.26		
			4	38	0.15	0.75	17.45		
			1	4.5	0.9	0.15	0.61		
			2	4.5	0.15	0.75	1.01		
	Total Executed Qty						2666.25	6100.00	16264094.50
18	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 for TMT Bars Fe500 (Page No 17., I.No.4.46.2 of KPWD S.R 2015-16).								
		Tonne							
	Previous Qty from 1st and part bill								
	Previous Qty from 2nd and part bill						125.43		
	Present Qty from 3rd and final bill						8.16		
	ISAAC layout 1st cross rcc bed								

Sl. No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
	Qty from item no 17								
	42kg/cum								
	Total Executed Qty		1	346.99	0.042		14.53		
	Providing precast slab of 100 mm thick including cost of all materials, labour, curing, transportation, loading, unloading, etc., complete as per the direction of engineer in charge- Data rate						148.12	60000.00	8887200.00
19		Sqm							
	Previous Qty from 1st and part bill						7396.62		
	Previous Qty from 2nd and part bill						415.60		
	Present Qty from 3rd and final bill						762.96		
	ISAAC layout 1st cross		1	30.00	0.90		27.00		
	6th cross		1	32.00	0.90		28.80		
	8th cross road		1	35.00	0.90		31.50		
	10th cross road		1	33.00	0.90		29.70		
	Chowdeshwari layout		1	89.90	0.75		67.43		
	surabhi layout 2nd main road LHS		1	282.10	0.75		211.58		
	RHS		1	98.30	0.75		73.73		
	2nd main road and LHS and RHS cross road		2	93.30	0.75		139.95		
	3rd main cross 1 RHS		1	36.30	0.75		27.23		
	cross 2 RHS		1	86.40	0.75		64.80		
	5th cross road venkata		2	38.00	0.75		57.00		
	Total Executed Qty		1	4.50	0.75		3.38		
	Providing precast slab of 250mm thick including cost of all materials, labour, curing, transportation, loading, unloading, etc., complete as per the direction of engineer in charge- Data rate						8575.18	1750.00	15006565.00
20		Sqm							
	Previous Qty from 1st and part bill						205.74		
	Previous Qty from 2nd and part bill						32.40		
	Present Qty from 3rd and final bill								
			1	6.00	1.2		7.20		
			1	6.40	1.2		7.68		
	Total Executed Qty						253.02	4200.00	1062684.00
21	KSRB 14.6-1: Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS (Page No 101., L.No.14.6 of KPWD S.R 2015-16).								
		Sqm							
	Previous Qty from 1st and part bill						269.82		

Sl. No	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
	Previous Qty from 2nd and part bill						105.60		
	Present Qty from 3rd and final bill								
			1	8.15	3.90		31.79		
			1	13.70	18.70		256.19		
			1	5.90	8.95		52.81		
			1	13.40	12.00		160.80		
			1	5.60	3.60		20.16		
			1	5.90	3.80		22.42		
			1	15.30	14.00		205.04		
			1	3.00	0.90		2.70		
			1	8.60	2.90		24.94		
			1	4.00	4.60		18.40		
			1	8.00	2.00		16.00		
			1	6.40	8.20		52.48		
			1	5.50	7.00		38.50		
			1	8.60	2.00		17.20		
			1	6.10	2.00		12.20		
			1	12.00	3.10		37.20		
	Total Executed Qty						1344.24	850.00	1142604.00
22	Removing and resetting of kerb stones (Page No 258., I.No.37.57 of KPWD S.R 2015-16).								
	Previous Qty from 1st and part bill						850.95		
	Previous Qty from 2nd and part bill						0.00		
	Present Qty from 3rd and final bill						0.00		
	Total Executed Qty						850.95	55.00	46802.25
23	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. (Page No 25., I.No.5.30 of KPWD S.R 2015-16).								
		Nos							
	Previous Qty from 1st and part bill						4098.00		
	Previous Qty from 2nd and part bill						0.00		
	Present Qty from 3rd and final bill								
		1	260						
	260/0.45=577.76=578			0.45			578.00		
	Total Executed Qty						4676.00	300.00	1402800.00
24	KSRRB M300-14. Excavation for roadwork in all type of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 (Page No 142., I.No.19.14 of KPWD S.R 2015-16).								
		Cum							

Sl. No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
	Previous Qty from 1st and part bill								
	Previous Qty from 2nd and part bill						2854.23		
	Present Qty from 3rd and final bill						953.95		
	Kondappa layout 9th cross		1	1.50	3.80	0.420	2.39		
			1	15.00	3.30	0.425	21.04		
			1	15.00	3.85	0.425	24.54		
			1	15.00	4.15	0.425	26.43		
			1	15.00	4.05	0.425	25.79		
			1	15.00	4.05	0.420	25.52		
			1	15.00	4.00	0.420	25.20		
	Infront of Sai Baba Temple		1	18.00	3.60	0.420	28.16		
			1	15.30	4.90	0.420	31.49		
	Total Executed Qty						4018.75	125.00	502343.87
25	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occurring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3 (Page No 148., I.No.19.64 of KPWD S.R 2015-16).								
		Sqm							
	Previous Qty from 1st and part bill						5250.08		
	Previous Qty from 2nd and part bill						1679.30		
	Present Qty from 3rd and final bill						0.00		
	Total Executed Qty						6929.38	4.25	29449.87
26	KSRRB M400-6.1. Construction of granular sub-base by providing close graded material, mixing in a mechanical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method. Close graded granular sub-base material as per 400-1 For Grading- II Material (Page No 154., I.No.20.4.2 of KPWD S.R 2015-16).								
		Cum							
	Previous Qty from 1st and part bill						1241.90		
	Previous Qty from 2nd and part bill						361.20		
	Present Qty from 3rd and final bill						0.00		
	Total Executed Qty						1603.10	1550.00	2484805.00
27	KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (Page No 157., I.No.20.18 of KPWD S.R 2015-16).								
		Cum							
	Previous Qty from 1st and part bill						1188.72		
	Previous Qty from 2nd and part bill						297.87		

Sl. No	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
	Present Qty from 3rd and final bill								
	for cobble stone								
			1	8.15	3.90	0.15	4.77		
			1	13.70	18.70	0.15	38.43		
			1	5.90	9.50	0.15	8.41		
			1	13.40	12.00	0.15	24.12		
			1	5.60	3.60	0.15	3.02		
			1	5.90	3.80	0.15	3.36		
			1	15.30	14.80	0.15	33.97		
			1	3.00	0.90	0.15	0.41		
			1	8.60	3.90	0.15	5.03		
			1	4.00	4.60	0.15	2.76		
			1	8.00	2.00	0.15	2.40		
			1	6.40	8.50	0.15	8.16		
			1	5.50	7.70	0.15	6.35		
			1	8.60	2.10	0.15	1.33		
			1	6.10	2.10	0.15	1.92		
			1	12.00	3.10	0.15	5.58		
	Total Executed Qty						1636.61	1600.00	2618570.80
28	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM, including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. MORTH Specification No. 502 (Page No 160., I.No.21.6 of KPWD S.R 2015-16).								
		Sqm							
	Previous Qty from 1st and part bill						6412.04		
	Previous Qty from 2nd and part bill						237.36		
	Present Qty from 3rd and final bill						0.00		
	Total Executed Qty						6649.40	30.00	199482.00
29	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5 (Page No 160., I.No.21.2 of KPWD S.R 2015-16).								
		Sqm							
	Previous Qty from 1st and part bill						30209.56		
	Previous Qty from 2nd and part bill						20068.50		
	Present Qty from 3rd and final bill						0.00		
	Total Executed Qty						50278.06	3.00	150834.18
30	KSRRB 500-7. Providing and applying tack coat using 80/100 grade Bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 (Page No 160., I.No.21.7 of KPWD S.R 2015-16).								
		Sqm							
	Previous Qty from 1st and part bill						34423.89		
	Previous Qty from 2nd and part bill						22240.30		
	Present Qty from 3rd and final bill						0.00		
	Total Executed Qty						56664.19	15.00	849962.85

Sl. No	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
31	KSRRB M500- 15. Providing, laying dense graded bituminous macadam using 40/60 THP capacity H.M.P with Mechanical paver Gr-II(50mm to 75mm), crushed aggregates of specified grading premixed with 4.5% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade, rolling with wheeled , vibratory and tandem rollers to achieve the desired density including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No.507 (Page No 161., I.No.21.17.6 of KPWD S.R 2015-16).								
	Cum								
	Previous Qty from 1st and part bill								
	Previous Qty from 2nd and part bill						710.45		
	Present Qty from 3rd and final bill						236.16		
	Total Executed Qty						0.00		
							946.61	7900.00	7478203.20
32	KSRRB M500- 15. Providing, laying bituminousConcrete using 40/60 THP capacity H.M.P with Mechanical paver Gr-II(30mm to 45mm), crushed aggregates of specified grading premixed with 6% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade, rolling with wheeled , vibratory and tandem rollers to achieve the desired density including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No.509 (Page No 164., I.No.21.22.6 of KPWD S.R 2015-16).								
	cum								
	Previous Qty from 1st and part bill						1147.60		
	Previous Qty from 2nd and part bill						871.82		
	Present Qty from 3rd and final bill						0.00		
	Total Executed Qty						2019.42	9800.00	19790316.00
33	KSRRB M600-1. Construction of dry lean cement concrete mix M5 with OPC cement @160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS- 383,) aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. MORTH Specification No. 601 (Page No.-173, I.No.22.1 of KPWD S.R 2015-16)								
	Cum								
	Previous Qty from 1st and part bill						332.61		
	Previous Qty from 2nd and part bill						20.80		
	Present Qty from 3rd and final bill								
	Kondappa layout 9th cross		1	1.50	3.80	0.075	0.43		
			1	15.00	3.30	0.075	3.71		
			1	15.00	3.85	0.075	4.33		
			1	15.00	4.15	0.075	4.67		
			1	15.00	4.05	0.075	4.56		
			1	15.00	4.05	0.075	4.56		
			1	15.00	4.00	0.075	4.50		
			1	18.00	3.60	0.075	4.86		

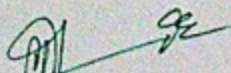
Sl No	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
	Infront of Sai Baba Temple								
	Total Executed Qty		1	15.30	4.90	0.075	5.62		
							390.65	3800.00	1484451.95
34	Cement concrete pavement. Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M30 (at 360 kg per cum coarse aggregate @ 0.69 cum and fine aggregate @ 0.46 cum), with 25mm and down size graded granite metal coarse aggregates and in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rammers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. (Page No 174., I.No.22.6.1 of KPWD S.R 2015-16).								
		Cum							
	Previous Qty from 1st and part bill						2383.25		
	Previous Qty from 2nd and part bill						41.60		
	Present Qty from 3rd and final bill								
	Kondappa layout 9th cross		1	1.50	3.80	0.150	0.86		
			1	15.00	3.30	0.150	7.43		
			1	15.00	3.85	0.150	8.66		
			1	15.00	4.15	0.150	9.34		
			1	15.00	4.05	0.150	9.11		
			1	15.00	4.05	0.150	9.11		
			1	15.00	4.00	0.150	9.00		
			1	18.00	3.60	0.150	9.72		
	Infront of Sai Baba Temple		1	15.30	4.90	0.150	11.27		
	Total Executed Qty						2499.35	5800.00	14496201.00
35	Providing groove cutting for Concrete pavement width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade, coolant etc., including cleaning of groove & providing sand and hot bitumen fillers, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. (Page No 172., I.No.22.8 of KPWD S.R 2014-15).								
		Rmt							
	Previous Qty from 1st and part bill						5571.33		
	Previous Qty from 2nd and part bill						125.80		
	Present Qty from 3rd and final bill						0.00		
	Total Executed Qty						5697.13	120.00	683655.60
36	KSRRB 800-1 Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications, MORTH Chapter 8 (Page No 179, I.No.24.1 of KPWD S.R 2015-16).								
		Rmt							

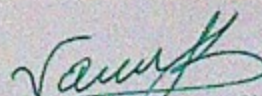
Sl. No.	Particulars	Unit / Rate	Nos	L in m	B in m	D in m	Quantity	Rate in Rs	Total Amount in Rs
	Previous Qty from 1st and part bill								
	Previous Qty from 2nd and part bill						633.30		
	Present Qty from 3rd and final bill						99.90		
	Total Executed Qty						0.00		
							733.20	55.00	40326.00
37	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (Page No 181., I.No.24.15 of KPWD S.R 2015-16).								
		Sqm							
	Previous Qty from 1st and part bill						801.50		
	Previous Qty from 2nd and part bill						898.50		
	Present Qty from 3rd and final bill						0.00		
	Total Executed Qty						1700.00	430.00	731000.00
	Sub Total								102282885.00
26	Miscellaneous and other charges								
	Grand Total								102282885.00

Consultant:

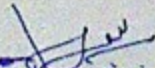
For M/s MECADEZ CORE TECHNOLOGIES PVT LTD


Asst. Engineer


Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore


Executive Engineer
B.B.M.P Division
Yelahanka

Technical Sanction for "Modified Estimate"
Accorded For 1022.23 lakh Rs. (1022.83 lakh Rs.)
Head of A/C P-3106
CER NO 1A 02.06.17


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CE (Ynk)